



ASHRAE 90.1 Compliant Dimming for High and Low Bay Applications

Bring Warehouses, Parking Garages and Manufacturing Facilities Up to Code

Fixture Mount PIR High Bay/Low Bay Dimming Occupancy Sensor

PROVIDES ASHRAE 90.1 COMPLIANT DIMMING, DAYLIGHT HARVESTING AND 1-10V LED READY CONTROL

The HB011 Fixture Mount PIR High Bay/Low Bay Dimming Occupancy Sensor is specifically engineered to meet and exceed all occupancy sensing and daylight harvesting requirements of ASHRAE Standard 90.1.

Section 9.4.1.3 of ASHRAE 90.1 stipulates:

- Parking garage lighting zones must be controlled by a device that reduces power by 30% after 30 minutes of vacancy
- Open exterior walls must utilize automatic daylighting

Other high/low bay areas, such as warehouses and manufacturing facilities, must meet Section 9.4.1.2, which stipulates:

- All spaces shall include an occupancy sensor and a continuous or stepped dimming control device (such as a photocell, entry station or system controller)

The HB011 can be easily programmed to any desired continuous dimming level from 1-100% of full-ON, activated and dimmed based on occupancy and natural light present in the space. It is also LED Ready for control of 1-10V fixtures.

PROBLEM

Warehouse facility must meet requirements of ASHRAE Standard 90.1, including lighting and space control stipulations.

- Solution must comply with ASHRAE 90.1
- Facility contains fixtures that are located at a 20-ft mounting height, along with several low-ceilinged areas
- Facility contains LED fixtures
- Facility includes several skylights and windowed areas, meaning that it must comply with ASHRAE 90.1 daylighting requirements

SOLUTION

The HB011 Fixture Mount High Bay/Low Bay Dimming Occupancy Sensor delivers simple and flexible energy standards compliance.

- Meets and exceeds all requirements of ASHRAE 90.1 including space control, occupancy sensing and dimming
- Includes two interchangeable lenses—high bay and low bay—allowing one unit to cover a variety of high ceiling applications
- Specifically designed for LED fixture control
- Includes a built-in photocell for simplified installation and convenient automatic daylight harvesting

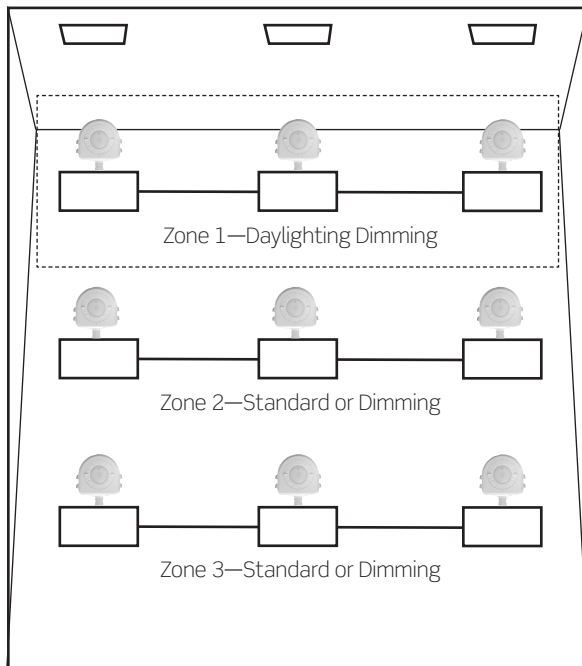


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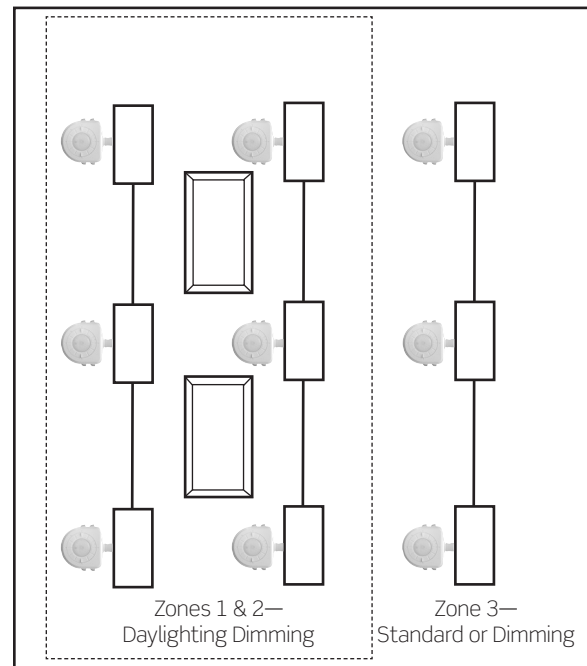
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FIXTURE MOUNT HIGH BAY DIMMING SOLUTION— WAREHOUSE WITH HALF-WINDOWS



FIXTURE MOUNT HIGH BAY DIMMING SOLUTION— WAREHOUSE WITH SKYLIGHTS



WHAT YOU WILL NEED

FIXTURE MOUNT HIGH BAY DIMMING SOLUTION		QTY.
	Fixtured Mount PIR High Bay Dimming Occupancy Sensor HB011-xxx Provides dimming fixture mount high bay occupancy sensing for lights in daylighting zones NOTE: Refer to data sheet for configuration and load type information	1 Per Daylighting/Dimming Fixture
	Fixtured Mount PIR High Bay Switching Occupancy Sensor OSFHU-xxx Provides switching fixture mount high bay occupancy sensing for lights outside of daylighting zones NOTE: Refer to data sheet for configuration and load type information	1 Per Switching Fixture

Disclaimer: This document is for informational purposes only. Each project will have its own specific requirements for satisfying ASHRAE 90.1 code compliance based on a variety of factors. Other exceptions or details may apply. Review the code for specific requirements and/or consult with a professional advisor. Leviton Mfg. Co., Inc. is not responsible for any loss resulting from the use of any information found in this document. Solutions are subject to change without notice. For additional assistance, contact your local Leviton representative.

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